

The Calgary Chronicle

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ROBT. BARBER DIES SUDDENLY FRIDAY EVENING, DEC'EMBER 3

Funeral Services Monday From Anglican Church

Robert Barber, 67, a resident of the Carbon district for a number of years, passed away suddenly at his home east of Carbon on Friday evening, December 3. Deceased had not been well for some time, following a stroke this summer, and death was due to a heart seizure.

The late Mr. Barber was born at Pallon, Sunderland, Eng., and came to Canada in 1913. In 1919 he purchased the farm where his family now resides.

Besides his wife he is survived by a son, Jack, of Carbon, and a daughter, Mrs. Ed Harrison, of Drumheller; also two brothers, Tom and George, both of Carbon.

Funeral services will be held Monday afternoon from Christ Church, Carbon, with Rev. T.H. Chapman officiating. Pallbearers were Messrs. Leonard Paxon, Ross Thorburn, Ross Fraser, F.J. Bessant, S.J. Garrett and George Agnew.

Interment followed in the Carbon cemetery with Walter Bros. Funeral Home of Drumheller in charge of arrangements.

Wilfred Paxon has sold his drug store at East Couline, an Edmonton man and Mr. and Mrs. Paxon and son have moved to Drumheller to reside.

FOOD PARCELS SAVED LIVES

Canadian Red Cross has received many acknowledgments of the Prisoners of War parcels and of their value in helping to keep our boys alive in enemy prison camps.

Last Friday Major C.E. Page of Calgary spoke briefly over a Calgary radio station, and one of his remarks was that the Canadians in prison camps in Germany were in good physical condition and health, mainly due to parcels received from the Canadian Red Cross Society.

Pvt. Sgt. J.B. Nickerson of Yarmouth, N.S., another repatriated serviceman with the recent arrivals from overseas, also has generous praise for the Canadian Red Cross parcels. "If it hadn't been for the Red Cross we wouldn't be alive now," he declared.

A WEEKLY EDITOR LOOKS AT OTTAWA

Writing usually for the weekly newspaper of Canada

By HIL GREENBLAT

OTTAWA CLIPPINGS: Operators at two high speed cheque writing machines are sending out income tax refunds to Canadians at the rate of \$400 a day at National Revenue. Munitions department is considering establishment of a crown company to centralize disposal of machinery, war material and other surplus goods. . . . The chief magistrate ruled that "hamburger" retains its original name "round steak" when the meat is ground up for a customer at his request.

The Canadian Army, after a goal of 100,000 more personnel for the year 1943, had reached at the end of September a net intake of 61,580 and net discharges of 21,120. Total intake was 55,158 volunteers and 29,902 call-ups.

Figures show that the expansion of Canada's national economy has been tremendous in its swing from a purely peacetime production to a vast and complex industrial mechanism. Ten days before war was declared total deposits in banks of Canada were \$2,524,000,000. At September 30, 1943 these deposits had increased to \$4,000,000,000. Bank notes climbed from \$210,000,000 to \$747,000,000. In four years deposits had increased by more than five billions to something around \$9 billion.

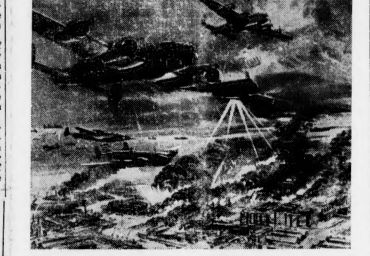
Here and there a Norwegian tanker, of hundreds sailed for the United Nations, just crossed the Atlantic for the 45th time since the outbreak of war, carrying 300,000 tons (105,000,000 gallons) of oil across the ocean, enough for 100 radio sets per thousand bombers each in the year before, showing increases in every province except Saskatchewan Canada's birthrate last year was per thousand higher than the year before, showing increases in every province except Saskatchewan the United States nearly two-thirds of the imports of Newfoundland from the United States second, supplying all the 32 per cent.

The legations of Canada at Washington and of the United States at Ottawa are being raised to the rank of embassies. The Canadian embassy in the first to be established by a British country other than the United Kingdom. Full title of the Canadian Ambassador, Hon. Leigh MacKay, K.C., will be Ambassador Extraordinary and Plenipotentiary.

Only 30 per cent of the leaf used for tobacco in Canada in 1938 was Canadian-grown, but as a result of the improvement in the quality through re-planting of practical work tobacco division of the Dominion Experimental Farm service, 92 per cent of the Canadian leaf was used in 1942. In 1942 it is stated that 100 per cent of the tobacco manufactured in this country was home grown. This means a fine increase in revenue for the 7000 farmers engaged in this industry.

Items of Interest: 8,225 cases of clothing, footwear, medicine, supplies shipped by Canadian Aid to Russia have arrived safely. Dominion exports to Russia, excise and income tax in October this year was \$739,682,500 as against \$300,164,114 in October 1942. Up to October 31 the keels were laid for 397 ships in shipyards of Canada on the east and west coasts and on the St. Lawrence, and there were 231 launchings.

THE HEAVIEST RAID OF THE WAR HITS DUSSELDORF GERMANY



An artist's vivid impression of the big blitz on Düsseldorf, where the greatest fleet of heavy bombers left Britain to drop more than 2000 tons of bombs on the great German industrial centre of Düsseldorf. The devastation to factories and all industrial plants is reported to be tremendous.

THE WORLD OF WHEAT REVIEWED WEEKLY BY MAJOR H.G.L. STRANGE

Eighteen months ago the Seafarer Grain Company started sponsoring weaving classes throughout the prairies. To date a total of 46 classes have been either completed or will shortly be completed. About 600 rural women and girls have been taught to weave at these classes. As each class finishes the weavers form themselves into a weaving circle. These weaving circles then carry on the good work, and have also in view the object of teaching their neighbors and other women and girls in their district. Many of the circles are now engaged in this worthy work.

150 looms have already been purchased by the weavers and more are being purchased work by week, and all these looms are in active use turning out the most useful and beautiful hand-woven materials. An estimate has been recently made that these prairie weavers have already woven the equivalent of 5000 yards of material 45 inches wide, which fabrics have been made into bedspreads, blankets, curtains, tablecloths, towels, hangings, rugs, sweaters and clothes for men, women and children.

The prairie women who have learned to weave, it seems, have become greatly interested in creating their own particular combinations of designs and colors, indicating that with all women there seems to be an instinctive desire to surround themselves in their homes with beautiful things.

U.S. WANTS CANADIAN GRAIN

The United States Commodity Credit Corporation will continue to purchase all feed wheat in Canada that appears possible to move. This statement was made by a high official of the U.S. department of agriculture in addressing a meeting of New England feed men last week. He said that he hoped when railways had passed the final transportation peak additional supplies of Canadian grain could be moved to the United States by rail.

There is a shortage of 5,100,000 tons in feed supplies in the New England states and everything is being done to help fill this deficiency. Transportation is the main problem. For some months wheat has been supplied to the New England states at the rate of 6 million bushels a month, most of the supplies coming from Canada. —Wheat Pool Bulletin

LONG YEARS AGO

December 8, 1932

George Appleyard Jr., of Carbon won fourth prize in Alberta in the competition conducted by the provincial game branch for the school children in destroying the most number of crows and magpies in 1932.

Carbon citizens are still pushing for the gravelled road through town but for nothing definite has been done.

Colin McPherson held an auction sale of his household effects Saturday and expects to go east to reside.

Carbon lost two more old timers last week in the death of Mrs. Chas. Pulver and Mrs. Jane Mortimer.

At a mass meeting of the Huxley to Granger U.F.A. Association held last week over 300 farmers pledged themselves to boycott and emphatically protest tax and sheriff sale laws to refrain from delivering grain to market unless they received returns sufficient to maintain a decent standard of living.

ONE PERSON IN FIVE IN ALBERTA BUYS 5TH VICTORY LOAN BONDS

War Savings Stamp Sale in Alberta Discouraging

The National War Finance Committee has compiled the final figures for the Fifth Victory Loan and these figures show that 154,743 people bought bonds to the amount of \$12,104,650 in Alberta. This means that one person in every five (both adults and children) bought a Victory Bond during the Fifth Loan.

In the Fourth Loan, 128,756 people of Alberta bought \$39,045,437 worth of bonds, which is one person in every six in the Province. The National War Finance Committee pointed out that while the bond purchase record is very fine, the purchase of War Savings Stamps and Certificates in Alberta is one of the lowest in Canada, and they feel that the people of Alberta, if they can make such a fine record in the purchase of bonds, can also do so in the Province in the foreground where the purchase of Stamps is concerned.

PICTURE SHOW FRIDAY

In conjunction with the national Film Board of Canada, the Carbon Local of the U.M.W.A. will sponsor another show in Carbon on Friday, December 10th. Pictures showing will be "From Behind the Army", "Before They Are Six", and "U.M.W.A. Convention in Calgary".

Considerable work is being done in the South Hall in Carbon. The rooms at the hall have been taken out and a stage is being constructed, as well as other improvements being made.

The Christmas Store

PERSONAL *Gifts* ARE APPRECIATED
REMEMBER HER WITH A PRACTICAL GIFT
Cosmetic Gift Sets; Perfumes; Manicure Sets; Dusting Powder; Writing Paper in gift sets; Linen; Handkerchiefs; Hand Bags; Scarves; Bed Room Slippers; Gloves; Hosiery; Sweaters; Bath Salts; Towels; Bridge Sets, Etc.

GIFT SUGGESTIONS FOR THE BABY
Headwear; Mitts; Scarves; Sweaters; Booties; Knitted Socks; Baby Pillows; Dresses; Rompers; Baby Rattles; Crib Blankets; Teething Rings; Baby Books, Etc.

GIFTS FOR HIM
Shirts; Pyjamas; Sweaters; Scarves; Braces; Hats; Caps; Ties; Socks; Gloves; Belts; Handkerchiefs; Shaving Sets, Etc.

BOOKS AND GAMES
Coloring Books, Cut-Out Books, Story Books, Jig Saw Puzzles, Board Games, and a variety of adult games.

We Also Have a Complete Stock of
TAGS, SEALS, PAPER, TREE DECORATIONS, TREE LIGHTS, ETC.
Shop Early while Shelves and Counters are Full
CHRISTMAS SUPPLIES ARE LIMITED

YOU'LL DO BETTER AT
THE FARMERS' EXCHANGE
RED AND WHITE STORE

GIFTS FOR ALL THE FAMILY & FRIENDS
PYRALIN and CHROMA METAL DRESSES SETS. . . . \$6 to \$25
PERFUMERY and TOILET ARTICLE SETS. \$6 to \$10.00
FOUNTAIN PENS and PENCILS. \$2.50 to \$12.00
TOBACCO POUCHES and CIGARETTES. \$1 to \$3.00
STATIONERY. \$5 to \$15.75
CIGARETTES in BOXES of 50. \$1 to \$2.00
FRAMED PICTURES. \$1 to \$6.00
CHOCOLATES in BOXES. \$1 to \$2.25
Tags, Seals, Labels, Cord, Tissue, Cellophane, Fancy Paper
Cott's Christmas Cards—5c; 10c; 15c; 25c. Also in boxes, 30c to 52

McKIBBIN'S DRUG STORE
A.F. McKibbin, Pharm. B., Prescription Specialist, CARBON, Alta.

Gift Suggestions

- TRI-LIGHT LAMPS, each \$15.95
- OCCASIONAL CHAIRS, \$10.95; \$19.95
- PLATE GLASS MIRRORS \$1.95 to \$6.50
- CARVING SETS, \$3.95 to \$10.95
- SILVER-PLATED HOLLOWWARE—Comports, Trays, Cake Baskets, Sandwich Trays, Etc.
- MAGAZINE RACKS, each \$4.95; \$5.95; \$7.95
- WM. ROGERS SILVERWARE—34-piece, \$28 (plus tax); 24-piece, \$20 (plus tax)
- SMOKERS' STANDS \$2.95 to \$5.95
- C.C.M. SKATING OUTFITS \$3.95
- CEDAR CHESTS \$59.00
- FANCY CHINAWARE, in Blossom Time, Silver Birch, Tapered Rose, Petit Point, Etc.
- WRIST WATCHES, \$20 to \$37 (plus tax)
- SKIS, HOCKEY STICKS, GLOVES, ETC.

A FULL LINE OF TOYS FOR THE YOUNGER KIDDIES

Such as dolls, animals, games, washing machines, stoves, block sewing sets, doll carriages, wheelbarrows, scooters, table & chair sets, rocking horses, black boards, doll cribs, ironing boards, tea sets cars, trucks, guns, etc.

CHRISTMAS TREE DECORATIONS—WREATHS, LIGHTS, TINSIL, NOVELTIES, AND OTHER ACCESSORIES

BUILDERS' HARDWARE STORES LTD.
CARBON'S LEADING HARDWARE
WM. F. ROSS, Manager PHONE 3, CARBON, ALTA.

If We Cannot Supply You With the
AUTOMOBILE ACCESSORIES
That you would like to give for Christmas
Gifts this year, we suggest that you give
WAR SAVINGS STAMPS OR CERTIFICATES

GARRETT MOTORS
Phone: 31 S.J. Garrett, Prop. Carbon

New Instrument Now Used By The C.W.A.C. Girls To Determine Errors Made By Artillerymen

MET the "Kine-Crux", the brainy and beautiful Canadian girls who are about the only people in existence who can criticize the marksmanship of an artilleryman and get away with it. This situation stems from the "kinethodite"—a new instrument and a new word added to the military vocabulary by science. The kinethodite is a combination of a camera and a surveyor's instrument and the device records air-alastrut shell bursts.

Through a system of intricate calculations it can determine errors in the gun fire. It is operated by the Kine-Crux and that's why they hold the whip hand over the gunners. But the artillerymen love it. In an unguarded moment a hard-bitten Master Gunner will tell you that the Kine-Crux are the "best in the world" and describe how on the rocky northern shoreline of Atlantic Canada in late autumn weather the girls will record ack-ack fire for hours without a word of complaint about the cold and the raw wind off the Atlantic. They have that enthusiasm even when it's cold enough to make the occasional gunner, warmly-clad, wish he had been selected for orderly room duty.

When the kinethodite was introduced in Britain it was operated by British girls and when the machine was brought to Canada the C.W.A.C. took it over as a matter of course. The girls come from coast to coast and they explode the old "beautiful but dumb" chestnut. They are highly intelligent—most have a university education—and they lean to toward mathematics and precision which is just what Army headquarters wants for kinethodite work.

The security has been lifted and now it can be told how these girls are contributing to the war effort. Canadian gunners and helping to bring the margin of error in ack-ack to an absolute minimum. Kinethodite is not used in actual battle but the device comes into service during practice shoots as the best method of grading gunners and their equipment. The set-up during a practice shoot is this: Two kinethodite instruments are spaced hundreds of yards apart. Between them the artillerymen. By means of telephone, up-to-the-second information is flashed to the kinethodite stations—or to the cameras enabling the kinethodite to keep their cameras focused so that they record the shell bursts and their relation to a target. The cameras—towed by an airplane. With their records of the shoot they can after involved mathematical work, detect any errors by the instruments used for aiming the gun.

This small detachment of one station and 25 other ranks, organized a year ago, is commanded by Captain D. U. Stickey of Moncton, N.B., who says proudly that her girls are in demand as visual records during practice shoots, because of their reputation of accuracy and precision. In this they have scored the hits and margin of misses (if any) made by the ack-ack men in training.

Captain Stickey's respect and liking for the girls is mutual and as a result the morale of the unit is 100 per cent. It also means clean crime sheets for everybody and it doesn't take much in the army to have your deed inscribed on one of those sheets of paper.

Promotion is slow for the Kine-Crux because of the small size of the unit but Captain Stickey says this fails to shake the girls' enthusiasm for their work. They are eligible for trades pay and most get 50 cents a day extra pay, plus they may qualify for as much as 70 cents a day.

The girls are quartered at a training centre in Atlantic Canada where they have their own corner of the vast establishment which has produced trigger-quick gunners by the thousand. They have their own orderly room and transport which they drive themselves.

This unit calls for but one order and she's a Winnipeg girl, D. M. Wurster. She shares Captain Stickey's enthusiasm for the work and points out that the unit is flexible in that every girl is trained to do every job called for. The unit is truly a blending of Canada's talent. The girls include Pte. Chris Marshall of Bridgetown, N.S., Lt. Cpl. E. B. Constantine of Kingston, Ont., who comes from a military family, Pte. R. Montgomery of Crossfield, Alta.; Pte. M. Winfrey of Dawson Creek, Yukon; Pte. J. Montgomery, Mill River, N.C.; Pte. M. G. W. Toronto; Pte. A. J. Holmes, Weaver, Man.; and Pte. B. G. George, Tinswick, Que. A lone American in the unit is Pte.

Badges For R.C.A.F. Ground Crew



Men and women in 10 technical ground trades of the Royal Canadian Air Force will soon be showing the insignia of their trade on their uniforms. Wearing of the newly approved trade badges will commence about the end of the year. The badges illustrated here will be added to those already a wear by wireless and radio tradesmen, physical training and drill instructors and bandmen. Others may be authorized later, according to an announcement from Air Force Headquarters. The badges, of blue cloth embroidered in lighter blue, will be worn above the left breast pocket of the rank of flight sergeant. They are placed one inch below the albatross in the case of sergeants and lower ranks, and five inches from the bottom of the sleeve in the case of flight sergeant.

Submarine Commander

Vancouver Born Officer In Royal Navy Hunts U-boats
The Royal Navy's leading submarine U-boat killer, the Tuna, under command of Lieut. D. S. R. Martin, a native of Vancouver, has returned to home waters after sinking three U-boats during four patrols, the Admiralty announced.
Lieut. Martin has been awarded the Distinguished Service Order and three bars for his feats.
The Tuna also destroyed another U-boat previously under a different commander.

Martin has been a member of the Navy since several years before the war. Aged 31, tall and quiet, Martin is said by shipmates to possess "a fraction of U-boats."
As a boy in Vancouver he always wanted to go to sea and served in the Merchant Navy before enrolling in the Royal Naval Academy.
Certain that war was approaching, he transferred from the reserve in 1936 and by 1937 was training for the submarine service.

REPORT CONFIRMED
Visitor (at country hotel): Boy, dash up to room sixty-five and see if my umbrella is hanging behind the door. Hurry, because I've a train to catch.
Boy (a few minutes later): Yes, sir, it's there like you said.

CWACs Help In Training Ack-Ack Gunners



The kinethodite—a new instrument and a new word added by science to the military vocabulary—records and measures the accuracy of anti-aircraft fire. Top, the kinethodite is flanked by two C.W.A.C. operators, Sgt. D. M. Wurster, of Winnipeg, left, and Pte. S. M. Winfrey, Dawson Creek, Yukon. After the shoot is over and the shell bursts recorded, the film from the kinethodite is removed by Pte. Jane Morrison of Hamilton, lower left, and developed. A view of the central station which flashes out information to the kinethodite operators to enable them to keep their instrument focused on the practice target, is shown at lower right. Working the station are Pte. A. J. Holmes, Weaver, Man., left, and Pte. E. Montgomery, Crossfield, Alta.

Industry Endeavors To Provide A Plan To Operate A Program For Post-War Employment Here

COMING at a time when fast-moving war developments are focusing a public attention more and more upon the employment prospects of the nation, here in Canada, of the Heavy Industries Federation is an event of unusual significance. The federation has been organized specifically to blueprint maximum employment through high levels of productivity in the years that will follow victory.

CHRISTMAS SEALS

(By E. L. Ross, M.D.)
Medical Superintendent, Sanatorium Board of Manitoba

This week thousands of homes in Manitoba have received Christmas Seals, and, although most people associate these little stickers with the campaign against tuberculosis, perhaps there are some who do not understand even though they buy them, what Christmas seals are, what they mean and what they do.

Tuberculosis is an infectious disease and its prevention is based on the discovery of sources of infection at an early stage. It was in 1926 that Travelling Tuberculosis Clinics began, and since then 5,000 to 10,000 people have been examined annually at 50 or more centres throughout the Province. Monthly chest clinics are also held at Brandon, Dauphin, Portage la Prairie and Selkirk.

The goal of the Travelling Clinics is to examine every person who is in contact with a case of tuberculosis, to x-ray any who have suspicious symptoms, to review and advise any who are known to have had the disease, to segregate every person with sputum containing the tubercle bacilli, and to educate all persons and others regarding the ways the disease is spread. The sole means of providing this preventive service has been through the sale of Christmas seals.

To eradicate tuberculosis the x-ray of apparently well people on a much more comprehensive scale is necessary. This is now possible because of new and expensive x-ray equipment which takes miniature films at one-tenth the cost. Another machine is required. The carrying out of this intended programme depends upon your purchase of Christmas seals. Chest x-ray surveys of large and small industries and communities have begun. This year in Winnipeg and throughout the Province over 12,000 people have been x-rayed on surveys, including over 2,000 university students. The objective of the Sanatorium Board is to have every citizen x-rayed for tuberculosis during the next five years. Whether this can be done or not depends upon you.

Since the beginning of the present war there has been an increase in tuberculosis deaths in Canada. Manitoba did not contribute to this increase but 200 people in Manitoba and 6,000 in Canada died of the disease last year. The tragic part is that tuberculosis, which takes the lives of more persons between the ages of 18 and 45 than any other disease, is preventable. An all-out tuberculosis control programme is more essential now than ever before, because tuberculosis increases during time of war.

Public-spirited citizens of Manitoba can intensify the programme of tuberculosis control by supporting generously the sale of Christmas seals being sold under the auspices of the Sanatorium Board of Manitoba for the support of tuberculosis travelling clinics and the rehabilitation of tuberculous patients. If we have your name on our mailing list, you can obtain the seals by writing to the Manitoba Sanatorium, Ninette.

CONSIDER THE HAMMER
One corner doesn't lose its head and off it the handle.
It finds the nail and drives it home.
It hooks on the other side and clinches the point.
Occasionally it makes mistakes but it rectifies them.
It keeps pounding away until the job is done.
It is the only knacker in the world that does a constructive job.

JUST TRAIN WHISTLE

A waving arc, described in London newspapers as resembling nothing ever heard in this world, rounded fireguards and air raid sirens before dawn and touched off the shouts of excited rumors. The "ghost whistle" was discovered to belong to a new American locomotive whose whistle in no way compares with the pique of British locomotives.

It is a free and voluntary effort on the part of industry to provide machinery necessary to plan and operate a program of post-war economic and social stabilization.

The Heavy Industries Federation has been established in the belief that, despite the driving demands of war, the time to plan for post-war adjustment and rehabilitation is now. It is industry's acknowledgment of the fact that only by planning boldly and effectively can a bridge be forged strong enough and broad enough to carry the national economy safely and smoothly through the post-war period and set it upon an unbroken road of post-war economic stability.

Estimates reveal that the ending of the war will release more than 1,500,000 Canadian men and women from war jobs in munitions plants and other war industries. Even allowing for the maintenance of a peacetime military establishment greater than that of pre-war years and reckoning upon the return to domestic life of many women war workers and the retirement of many older Canadians, much will be confronted with the greatest employment problem in its history.

Organization of the Heavy Industries Federation involves the establishment of a central industrial committee, of regional boards and of regional sub-committees for research, field development and participation planning. The federation will act as a clearing house for all such projects involving the capital goods industries.

The activities of the federation will be keyed essentially to the objective of providing jobs in private industry. Within this field it will seek to set up mechanisms which will be of real assistance to industry in the approaching period of post-war readjustment.

Crocheted Beanie



Add that handsome, expensive look to your new fall outfit! A crocheted beanie to place smartly behind your pompadour will do the trick. All you need is some wool yarn, a little spare time and these simple, easy directions. You'll want both crocheted and crocheted for hats, slippers.

To obtain this pattern send twenty cents in coin (stamp not accepted) to Household Arts Department, Winnipeg Newspaper Union, 212 McDermott Avenue E., Winnipeg, Man. Be sure to write plainly your name and address on the envelope. Because of the slowness of the mails delivery of our patterns may take a few days longer than usual.

HOW TO SAVE SUGAR

Food's eaten hot taste sweeter than they do when cold. So, when the sugar ration runs low you can save by serving baked apples or apple sauce hot instead of cold and by using more of the hot desserts which take less sugar. Most of our cold desserts until the sugar stockpile is up for they take most sweetening of all.

Fighting Canada's Battles In Northern Manitoba And Saskatchewan Bushlands

(By J. P. De Wet, Secretary, Manitoba Chamber of Mines)

An interesting story of the great Flin Flon Mine.

(Continued from Last Week)

To understand the difficulties of processing the ore to recover the seven metals contained therein, one should first have a knowledge of the composition of the Flin Flon ore. The metals, in general, are not contained in pure form, but appear as compounds intimately mixed and finely divided in the same rock. The copper occurs as a combination of copper, iron and sulphur, a sulphide known to the miner as chalcocite. The zinc also occurs as a sulphide with the same sulphate. Another mineral in the ore is the sulphide pyrite, a combination of iron and sulphur. The other metals in the ore such as gold, silver, cadmium, selenium and tellurium are in smaller quantities as compounds, although some of the gold occurs in a pure state but in extremely fine particles in close combination with other minerals. The cadmium is most intimately associated with the zinc sulphide, while the selenium and tellurium in combination with gold and silver associate mostly with the copper sulphide.

6,000 Tons Of Ore Raised Every Day
Although the mine and metallurgical plants were originally designed to produce and treat 3,000 tons of ore per day, the tonnage increased. It can be maintained only if sufficient labour is available. After the ore is hoisted to the surface it is ground to a fine powder. To get an idea of how fine the Flin Flon ore is ground, take a piece of woven silk one square inch in size, and with the finest needle you can procure poke 325 separate and distinct holes in it. The greater portion of the Flin Flon ore is ground fine enough to pass through those tiny holes. Water is added during grinding.

Frothy Bubbles Flot Minerals

The next step is selective flotation. In this process a froth like soap bubbles is created by adding oils to the water carrying the finely ground ore and mechanically agitating it while air is being blown in. By the use of different chemicals added to this mixture, the copper sulphide mineral particles will attach themselves to the bubbles to be floated off as a copper concentrate and by changing the chemicals added, the zinc sulphide particles can be floated off as a zinc concentrate. This ability to select by a change of chemicals the material to be floated explains the term phase selective flotation. It not

melted; the lighter waste material called "slag" is skimmed off. The remaining portion called "matte" containing the copper is then processed through converters where air is blown through the mass and the remaining sulphur and iron removed. The material left in the converters is blister copper which is cast into bars and sent to a refinery in Montreal. The refinery separates the contained copper, gold, silver, selenium and tellurium, the final products being pure metals now ready to take their places in the Allied Nations' military factories.

Method Of Refining Zinc

The zinc concentrates go first to roasters where the excess sulphur is burned off and the zinc changed to a soluble form. This product is then passed into tanks where the zinc is dissolved by acid treatment. The solution is purified in the purification section of the plant, and then from the purified solution the zinc is plated on a metal cathode sheet by passing an electric current through the solution. The zinc net is stripped from the cathode sheet and melted in a furnace where it is then shipped to the war factories. This zinc is almost pure, much of it running 99.99% purity. This purity is essential when the zinc is to be alloyed with certain other metals for the purpose of making die castings and aerograph parts and other equipment, which require little or no machining. Its purity thus saves heavy losses of effort.

There Is No Waste In Profiteering In Metals

The prices paid for strategic metals used for war purposes, and for certain civilian uses during war, are fixed by the interested governments. Consequently there can be no profiteering on the part of those who produce them. Compared to the last year when the price of copper went as high as 35 cents per pound, the present agreed upon price is less than one-third, so that the mining companies can say with justice that they have contributed their share to the war effort.

During 1942 Hudson Bay Mining and Smelting Co., Limited, employed an average of 2,000 persons. This gives the reader an idea of the size of the operation.

Well Paid Men—Steady Work

The worker at Flin Flon has one of the best paid occupations in the land. He works an eight-hour day and a forty-eight-hour week. For every hour over the 48 that he works the rate is time and a half. Efficiency is well rewarded at Flin Flon, for management is anxious to train and keep competent workers on the payroll. A boy showing promise and ability may start as an apprentice and, as explained later, is paid from the date of commencement of his apprenticeship. Ahead of him lies the chance of becoming a shift boss, or attaining to even higher positions, and retiring when he reaches later life on an annuity derived from equal contributions deposited by himself and the company with the Annuities Branch of the Dominion Government, where interest rates on the accumulating fund are figured at 4%, compounded annually.

Annuities And Retirement Plans

The company instituted the annuity plan in 1940 as part of a "Welfare Plan" to provide against the following contingencies: insecurity in old age, death, and loss of pay through non-occupational sickness and accident. The first contingency is covered by the old age retirement annuity plan, to which the Company contributes one half of the cost; the second by a group life insurance plan, the cost of which the Company pays in full; and the third by group sickness and non-occupational accident insurance, to which Company and employee pay in equal amounts. Accidents that occur while at work are covered by the Workmen's Compensation Boards of Manitoba and Saskatchewan.

(To Be Continued)

The Hindus, not the Arabs, are said to be the authors of the Arabic system of arithmetical notation.

WORLD HAPPENINGS BRIEFLY TOLD

On direct orders from Prime Minister Churchill, Britain's street lighting systems, run down from lack of use because of the blackout, are being overhauled in preparation for the first night of victory.

It is stated that 10,000 Norwegians have escaped to Britain since their country was occupied by the Germans. Seventy-five per cent of the Norwegian air force consists of escapees.

Host was put turned on at Buckingham Palace until Nov. 1, ten days after the date set for the rest of Great Britain.

Moscow has opened a new subway, a four-mile line running under the Moscow river and linking the centre of the city with the eastern industrial section.

In the 12 months to Aug. 31, nearly 8,000 men and 1,600 women were prosecuted in Britain for being absent or being persistently late for work without reasonable excuse.

During the present war, 13,886 churches and other ecclesiastical buildings in Britain have been destroyed or damaged.

Germany now has nearly 2,000 day and night fighter planes massed to protect her centres of production. R.A.F. Squadron Leader John Stracey said in a BBC war commentary.

The British Ministry of Supply has gone into the ragpicking business. Helpers have collected and reconditioned more than 2,000,000 worn garments from the army, air force and women's services.

Oliver Lyttleton, British Minister of Production, said that Britain is studying equipment and transport needed "to bring the maximum impact to bear on the Japanese."

Adorably Yours



Adorably yours is this princess frock embroidered with your own name or initials. (Initial transfer sheet included.) Cut the simple pattern of fabric-saving Pattern 4567 from a yard of rayon and whip to gether in 10 minutes to wear at desk or dating.

Pattern 4567 is available in junior sizes 12, 13, 14, 15, 16, 17 and 18. Size 12 takes 34 yards 35-40 inches. Size 18 takes 34 yards 35-40 inches. Send twenty cents (20c) in coins (change cannot be accepted) for this pattern. Write plainly Size, Name, Address and Style Number and send orders to the Anne Adams Pattern Dept., Winnipeg Newspaper Union, 175 McDermott Ave. E., Winnipeg, Man. "Because of the slowness of the mail delivery of our patterns may take a few days longer than usual."

Her Majesty Queen Elizabeth was unable to make a purchase recently because she had forgotten to take along her ration book. Many a woman's lesser degree will know exactly how she felt. Incidentally, it proves that this war has placed royalty on the same basis as the most humble citizen. We doubt if such a democratic spirit can be displayed in any other country but Britain.

SUNDAY SCHOOL LESSON

DECEMBER 5
THE SIN OF COVETOUSNESS

Golden text: "Thou shalt not covet anything that is thy neighbor's." Exodus 20:17.
Lesson: Exodus 20:17; Luke 12:15-34.
Devotional Reading: Luke 18:18-27.

Explanations and Comments

The Law Against Covetousness, Exodus 20:17. There is sin in the desire of something that belongs to another. The Tenth Commandment differs from all the others in that it has to do with a man's relation to himself, his inmost thoughts. Rather than being a law against acts, it directs man to control impulses which may lead to acts. It legislates for the control of thoughts and desires. Keep thy heart with all diligence, for out of it are the issues of life. Proverbs 4:23.

The commandment specifies objects which in those early days a man might covet—his neighbor's house, wife, man-servant, maid-servant, ox, ass, anything that was his neighbor's. The law was given to a people who lived to desire a wife to manage it, or marketable wares to add to their possessions. The law was not given to the possessors. The law was given to the envious of what others hold; when it would be the power possessed, give itself to self-gratification at another's cost.

Jesus' Warning Against Covetousness, Luke 12:15-18. Teacher, bid my brother divide the inheritance with me," a man in the crowd that followed Jesus once cried out, interrupting Jesus' talk. "Man," sternly Jesus asked, "who made a judge or a divider over you?" thus refusing to take upon himself the duties of either the individual or the state.

The man's interruption showed that he was too much concerned with possessions, and Jesus made use of the incident to warn his hearers against covetousness. "Covetousness" comes from a Greek word which means "grasping at more." It has been defined as the fatal temper of never being content with what one has, but always seeking a little more, according to the saying that "Man never is just a little more than what one has."

"Take heed, and keep yourselves from all covetousness," said Jesus. "For a man's life consisteth not in the abundance of the things which he possesseth." The true life, the spirit, which lives, does not depend upon riches.

ALL ON SAME BASIS

Her Majesty Queen Elizabeth was unable to make a purchase recently because she had forgotten to take along her ration book. Many a woman's lesser degree will know exactly how she felt. Incidentally, it proves that this war has placed royalty on the same basis as the most humble citizen. We doubt if such a democratic spirit can be displayed in any other country but Britain.

Health
LEAGUE presents TOPICS OF CANADA VITAL INTEREST

WHOOPIING COUGH—KILLER

In the past 10 years whooping cough has killed 6,333 persons—mostly children—in Canada. A total of almost 175,000 persons are known to have suffered the disease in that period. Of these many will have recovered with impaired health.

These are the tragic facts which prompt the present campaign for immunization of children against the disease, which is much more serious than most parents appreciate. In recent years the incidence and the virulence of whooping cough have increased. It has become one of the menacing enemies of childhood.

Not only whooping cough, but diphtheria, scarlet fever and smallpox are diseases which take a toll of Canadian child life every year, although easily preventable.

A health authority has gone so far as to suggest that when a child dies of one of these unnecessary, preventable diseases, the parents or guardians who failed to protect it by immunization should be charged with neglect.

There is no excuse for these diseases. Physicians have access to free supplies of sera and vaccines. In the majority of Canadian communities there are public-health officers who conduct free clinics. Parents should avail themselves of the simple means to protect their children.

SURPRISED OFFICIALS

Bob Rollins, an 18-year-old youth of Minota, Man., surprised recruiting officials at the Fort Osborne barracks reception depot in Winnipeg when applying for enlistment in the army. Bob, six foot, 10-inch tall and tipping the scales at 216 pounds, was so tall he had to bend his knees when taking his X-ray test.

The grandest of all old Christmas traditions is Christmas Seals. Every Christmas Seal you buy helps to save lives. Use your Seals on every Christmas card and letter you send this year.

The Germans' slowness in their retreats from some of the towns in Italy may be due to the heavy loads of loot they are carrying.



This is Birchview School at Flin Flon. Very modern.

mined and treated has been raised to the present figure of 6,000 tons in direct response to a request from the Canadian Government that maximum production be achieved in order to help the country's war effort. It may be pointed out in passing that this remarkable feat has been accomplished in spite of many difficulties and regardless of the fact that the company's tax burden is tremendously

How Copper Is Refined

The copper concentrates go to roasters which burn off some of the excess sulphur, and next to the reverberatory furnace where they are

one segregates the minerals from

another for further treatment but eliminates a large part of the material of no commercial value from the ore, known as gangue.

By Fred Neher

LIFE'S LIKE THAT



"I wouldn't mind gettin' up so early, but you never think of anything to do that's fun!"

Courage Recognized REG'LAR FELLERS—Phony Business

Chinese Steward Receives British Empire Medal From The King

A small, dark-haired Chinese dropped on the deck at the recent Buckingham Palace investiture and the King pinned the British Empire Medal on his coat. Britain's recognition of the courage of Poon Lim, 25-year-old second steward, who survived 133 days on raft in the Atlantic after his ship was torpedoed. Lim, who speaks little English, gave a memorable account of his ordeal to the King, who leaned forward to catch his words. Lim appeared entirely recovered.



BY GENE BYRNES

Experts Have Made Study Of Food Problems

OTTAWA—The international conference on food consumption levels, attended by statistical and food experts from Britain, the United States and Canada, has concluded several weeks of study here. It was announced by H. P. Angus of the external affairs department, the chairman.

The conference report after further studies by some of its committees, will be submitted to the combined food board at Washington. The object of the session was to reach an accurate basis for comparing the food consumption levels of different nations having different customs, different types of production and different methods of distribution with a view to assisting in allocation of food supplies by the board during the war and post-war periods.

"It is, therefore, hoped that a basis has been prepared for considering work which will have continuing influence on projects of social security after the war as well as for policy during the war," said a statement from the conference.

The conference, which replaced the former rough-and-ready method of comparisons between official ration allowances, which had the fault of not taking into account the amount of unrationed food consumed and the amount of rationed foods eaten in public places.

The method chosen was to estimate the whole food supply available to a country. But such estimates presented difficulties in taking into account home-consumed food and game and food produced in victory and other home gardens which never appeared in public statistics.

The total food supply before being used for comparison was translated into its equivalent in calories and vitamins and allowances were made for inefficiency and waste in consumption and distribution.

The attractiveness of the food and the manner in which it was presented were also taken into account for the conference acted on the view that with a monstrous diet people tend to eat less than enough and if the diet is particularly attractive waste results from excessive consumption by some persons.

GIANT BIRDS

Whooping Cranes Reported In Several Points In Western Canada

WINNIPEG.—Whooping cranes, the flying fortresses of North America bird life, have been reported in several parts of western Canada and it is believed there are enough of them to save their species from extinction.

Jack Wilson, of Winnipeg, a bird bander for Ducks Unlimited, said eight of the giant birds have been reported on the company's project at Last Mountain lake near Simpson. Bird authorities believe no more than 100 of the birds are in existence today.

GRANTED ENTRY

Girl Stowaway In Lancaster Bomber Will Stay In Canada

OTTAWA—Margaret Drury, 24-year-old Lancashire girl and first east-to-west Atlantic air stowaway, has been granted entry to Canada for six months to work with the R.A.P. transport command.

The announcement, made by A. L. Jelliffe, commissioner of immigration, said Miss Drury has expressed a wish to accept such employment. Her case will be reviewed again at the end of the six-month period.

DEVASTATED CITIES

Graphic Description Of Havoc Wrought In Germany

BERNE.—A German woman who lives in Switzerland, gave a graphic description of a journey through devastated cities of western Germany, telling of women who broke into tears at the sight of the ruins and of pale men who muttered bitterly that they had had enough.

The story was told in the Berne weekly, Die Nation.

"The horror began at Mannheim, Ludwigshafen and Mainz to the right and the left of the railroad line are ruins, terrible ruins," it quoted the woman as saying.

"A woman opposite me suddenly burst into tears. She had been in the Black forest several weeks after she was bombed out, but the sight of the ruins brought back the horror."

"A man opposite me said 'I am from Cologne. You must see Cologne' cannot be described."

"We arrived at Cologne in rain and darkness. We tried to sleep, but all the booths were destroyed. I saw brave men go white and shake with a view to assisting in allocation of food supplies by the board during the war and post-war periods."

"Clouds of smoke, pitiful ruins, heaps of rubble and stench—that was Cologne. Beautiful churches were destroyed. The cathedral was damaged by air raid shelling, taking their most valued possessions in small suitcases."

"Days after the heavy rains, clouds of smoke lay over the city and shut out the sun. Gas fumes and decaying corpses putrid the air. Even Cologne stinks with fumes and stench."

"The attractiveness of the food and the manner in which it was presented were also taken into account for the conference acted on the view that with a monstrous diet people tend to eat less than enough and if the diet is particularly attractive waste results from excessive consumption by some persons."

While not all the pilots are women, they have been acting as ferry pilots for the Russian government after the U.S. manufactured military aircraft are turned over to the Russians for combat duty against the Germans on the war front.

Planes bearing the Soviet insignia, a plain red star, have been seen by Albertans in Edmonton and along the Alaska highway for some time. They are flown via Edmonton and the string of Alaska highway airports to Fairbanks where the Russians take them over.

None of the Russian women pilots has been seen on Edmonton streets although Russian male pilots have been seen in public places here. On occasions they have attended sports events. Three Russian male pilots witnessed the Castillon-Lux light fight when the eastern armistice defeated the soldier and on another occasion took in a baseball game here. They received an ovation from the spectators on each occasion.

Existence of a northwestern Canadian air ferry route from the United States to Russia was disclosed in Washington by Robert P. Patterson, United States under-secretary of war.

Be a partner in the crusade to wipe out tuberculosis. War Christians are today generously and using them on all your mail.

Admiral Of Fleet



The man who led the successful hunt that ended in the sinking of the German battleship Bismarck, Admiral Sir John Crobyn Town (above), has been appointed admiral of the fleet, was announced at the British admiralty, London.

MANY HONORED

Decorations Conferred On One Hundred And Twelve Canadians

At Rideau Hall

OTTAWA.—The governor-general recently conferred previously announced decorations on 112 persons at Rideau Hall.

Senior officers of the armed services, high-ranking executives in munition production, scientists who have accomplished things in research which are still deep official secrets, sailors and airmen who have shown bravery in the face of the enemy, veteran civil servants and leaders in philanthropy, agriculture and education were among those who stepped before His Excellency at their names were called.

A number of women were included in those honored. Most of the awards were announced in the King's birthday honors list last June.

REFUSES INFORMATION

DUBLIN.—Prime Minister De Valera refused to give the number of belittled planes which had crashed in Eire since the start of the war.

Traffic on Trans-Canada Air Lines, passenger, mail and express, increased one hundred per cent. in two years.

Allied Chiefs Meet In Conference



Present at a conference of Allied chiefs of staff in North Africa were these ranking men on land, sea and in the air. Left to right, Admiral Sir John Cunningham, commander-in-chief of the Allied fleet in the Mediterranean; General Dwight D. Eisenhower, commander-in-chief of Allied forces in that theatre; and Air Chief Marshal Sir Arthur Tedder.

NEW SESSION

The King Reviews War At Opening Of British Parliament

LONDON.—The King opened a new session of parliament this night since the present House of Commons was elected in 1935—reading the speech from the throne which he solemnly said: "In the fourth year of the war the forces of the United Nations have assumed the offensive in all theatres of war... and in the coming year we shall with God's help be able to bring to bear upon the enemy still greater weight of attack."

The King, wearing the uniform of admiral of the fleet, was accompanied by the Queen as he personally opened the new session of parliament. At the same time it was disclosed that the prorogation speech of the old session was read.

Reviewing the Allies' forward strides during the last year, the speech recalled:

"The enemy has been cast out of Africa; freedom has been brought to Sicily, Sardinia and Corsica, and in Italy our forces and those of our American ally are engaging the enemy on the mainland of Europe."

"With the growing help of our Great American ally and together with the other United Nations we shall go forward with confidence in our cause until we have delivered the peoples of the world from fear of the aggressor," the speech said.

On his eastern front the enemy has given ground before the massive, unrelenting advance of the Russian armies, whose magnificent achievements we have watched with ever-deepening admiration."

"Turning to the conquered nations of Europe, the speech declared that they 'are everywhere preparing to throw off the yoke of the oppressor and we shall continue to afford them such help and encouragement as lies in our power.'"

The opening ceremony was held in the King's robing room in which the House of Lords has met since the House of Commons chamber was demolished by German bombs in 1941. Commons, which by ancient tradition the King may never visit, now meets in the original House of Lords chamber.

MANAGER OF MUNITION WORKS

NEW YORK.—The German-controlled Czech road reported that Václav Beneš, 29-year-old manager of the Skoda munitions works, had died in Prague.

GRIM SATISFACTION

How People Of London View The Destruction Of Berlin

LONDON.—There is a feeling of grim satisfaction among Londoners who took the thundering bombardment the Nazis glancingly delivered through the black winter and spring of 1940-41, that Berlin now is getting it back many-fold.

But although hatred runs deep for the Germans who blasted, burned and broke businesses, homes, bodies and lives of hundreds of thousands of British people, the Londoners feel rather sorry for them. At the same time, they accept the necessity for grinding the Nazi capital and its leaders into dust. The Germans asked for it, it is the general unemotional reaction.

The great raids are taken in characteristic British fashion as a planned, respectable part of the methodical campaign to beat the Germans. There is little undue optimism about their bringing a sudden German collapse.

Temporarily all thoughts is the recognition that London's turn may come again at any time. While the Germans are short of bombers in the west, nobody is so foolish as not to recognize they might quickly gather from sufficient force to send fronts to give London a 500-plane raid.

New Mosquito Bomber Proves Most Successful

LONDON.—Development of a new super-Mosquito combining both the armament of the fighter version of the versatile 400-miles-an-hour plywood plane and half the bombload of a stripped-down bomber without sacrificing speed was disclosed by the manufacturers, the De Havilland Aircraft Company.

This means intruder squadrons now can add bombs to the half of metal from cannon which planes showed on last airfields, ships and other important facilities.

The new version of the Mosquito has four 20-millimeter cannon, four 303 machine guns—the same armament as the fighter—plus 1,000 pounds of bombs. The straight bomber version can carry four 500-pound bombs.

The night fighter version with unspecified equipment was recently disclosed and has been coping competently with the Germans new fast hit-and-run raiders. Some Canadians fly these night fighters.

There are also special transport, high-altitude and super-long range versions of the Mosquito.

TORONTO.—A spokesman for the De Havilland Aircraft Company said the new super-Mosquito fighter bomber will be produced in Canada.

"We are pushing ahead with bomber production," said the spokesman.

MUST BE PLANNED

No Speedy Settlement Of Northern Areas Should Be Expected

EDMONTON.—It's an error to expect a "great rush of population in the north," Dr. Charles Cammell, deputy minister of mines and resources, told provincial and civic officials in a luncheon address here.

Chairman of the North Pacific planning project, Dr. Cammell said it is necessary to establish the economic value of the north before any population rush is started, and that is one of the main aims of the commission.

Much of the area potentially is a mining region and it is on this phase the region must depend for its initial development.

Buy War Savings Stamps Regularly.

Cannot Depend On Bombing For Final Victory

LONDON.—The bomber's show-down bid for out and out victory in the battle of Berlin found ground officers pulling as hard as anyone for the world's first major victory through air power—but these men who must plan and lead an invasion from the west are keeping their fingers firmly crossed.

"Bombing, plus Russia's magnificent victories, may crush Germany before any great battle in the west," said one highly-ranked American officer. "But it would be criminal if these hopes led me to relax for one moment on the job that's been given me in preparing for invasion, and it would be tragic if they led to any further over-confidence on the home front."

There is divergence of opinion among ground force leaders on the airman's chance to shatter Germany's defenses before the invasion deadline, but those who think first in terms of land battles seem agreed that:

1. If such an economical victory is won it must be won by smashing the German will to fight and not by physical destruction of the means to make war, because the latter cannot be broken enough to break the German army in the time required before the invasion deadline.

2. There is a definite danger that the immediate value of these unprecedented, spectacular blows deep inside Nazism may be exaggerated in the public mind and breed over-confidence which would react badly on the war effort.

An important British officer who knew the German heavy attacks on Britain in the winter of 1940-41 was inclined to discount the chances of smashing morale so that the Germans would revolt and sue for peace. He said:

"Unless that will to fight were broken, it would not have any decisive effect on the war. The Germans would be bombed so badly it had to be abandoned."

"There would be dislocations of records and communications, of course. Men's pay and pensions and promotions might get mixed up, but it wouldn't paralyze operations, particularly since the German high command must have made extensive preparations to meet just such an emergency."

EXPENDITURE LOW

In Connection With Sale Of Fifth Victory Loan Bonds

OTTAWA.—Finance Minister Healey said there was "very good expectations" that the cost of selling Fifth Victory loan bonds will not exceed 87 cents for each \$100 of the loan issued.

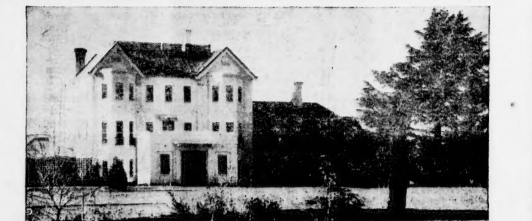
This figure compares with about 90 cents for the Fourth Victory loan last spring, and an average of about \$1 for each \$100 worth of bonds sold in all five victory loans. The \$1 includes "all expenditures for preparation and delivery of the bonds, advertising and publicity, salesman's commissions and all payments to financial firms and institutions, organization expenses, etc."

NEEDED AFTER WAR

TORONTO.—Lord Woolton, Britain's food minister, has asked that shipments of powdered milk, sent overseas by Canadian Kitchener's clubs, be continued after the war, a club spokesman said here. It would be directed, in the reconstruction period, to hungry people of Europe.

The average Lapp family requires 100 reindeer for its maintenance.

DUKE OF GLOUCESTER NAMED AUSTRALIA'S GOVERNOR-GENERAL



The residence of the governor-general of Australia at Canberra, which will be occupied by their royal highness the Duke and Duchess of Gloucester next July. The duke has just been appointed governor-general of the commonwealth and succeeds Lord Gowrie, the present occupant.

The Duke of Gloucester, youngest surviving brother of the King.

The Duke and Duchess of Gloucester with their only son, Prince Henry, who will be two years old in January.

CANADA'S NAVY

In Four Years It Has Grown From 15 To 320 Ships

It is amazing to think that Canada, which began the war so weak in naval power, has in the space of little more than four years attained such a strength at sea that she is now third amongst the United Nations in this respect.

At the outbreak of the war the Royal Canadian Navy consisted of only 15 ships and its strength was not more than 1,700. It now has no fewer than 500 ships of all types in service, including destroyers, frigates, corvettes, auxiliary cruisers and minesweepers. During the fiscal year 1942-43 150 ships were added to its strength and this year's plans call for another 70 fighting ships being commissioned. Its strength is now in excess of 67,000.

Even then the Royal Canadian Navy, now assuming most important responsibilities in connection with the protection of vital Allied shipping routes, will not stop growing. As the emphasis in sea warfare switches from the defensive to the offensive, heavier ships than those normally in commission for anti-submarine service are required, and the fleet is being provided. Six of the fighting ships recently commissioned for the Navy have been destroyers. Three Tribal class destroyers, among the best and fastest afloat, were built in Britain and are already in service. A fourth is being built in British yards and four others are being built in Canada. Eventually Canada will have a flotilla of eight Tribal class destroyers.

On top of that arrangements have been made whereby 20 six-inch gun medium cruisers will be delivered by Britain next year, with the possibility of aircraft-carriers also being made available for Canada's Navy. The cruisers will probably be new ones and they will be named by Canadians. There is also talk of Canada having her own Fleet Air Arm to go along with the carriers that we expect to put into operation.

Undoubtedly the Canadian Navy is growing up as the Canadian Army and the Canadian Air Force have already grown up. It will play a not inconsiderable part in the blasting of "Fortress Europe" and if we believe that after the war Canada should share in Empire defence to a greater extent than previously, then the Navy is here to stay—and a good thing, too. The Hon. Angus L. Macdonald, Minister of National Defence for Naval Affairs, has expressed the hope that "after the war Canada's Navy never will be reduced to its very insignificant status of pre-war days." That hope will be shared by very many Canadians who believe that a country which depends so much upon sea-borne commerce as Canada does should be prepared to assume much greater responsibilities in regard to its defence.—Brookville Recorder and Times.

WATERPROOF ENVELOPES
To insure shipping documents against possible damage by water, the United States Navy has adopted a new type of waterproof envelope in which to enclose them. The envelopes are made of two layers of Kraft paper with an asphalt layer between them.

Scientists believe that hydrogen and helium abound on the sun.

Paratroopers Have Their Scooters



Included in the equipment of Paratroopers are folding motor scooters dropped with them in parachute containers. These handy little vehicles are collapsible and can easily be lifted by one man. They have a speed of about 45 miles per hour and can be ridden over rough terrain. Upper photo shows the scooters ready to be mounted. In lower picture a paratrooper is lifting a folding scooter from his parachute container.

Some New Records

Made By People Who Have Written Letters During War

Cpl. F. G. Bulgin, of Montreal, member of the Royal Canadian Army Medical Corps, has started something and there's no telling where it may finish.

The corporal said he had mailed his 1,000th letter to his wife from whom he had received 680 in the three and one-half years he's been in Britain. "Can anyone beat this?" he asked.

The letters started piling into the London newspapers the very next day after the story appeared. Here are some of the records disclosed in the letters to the papers:

Cpl. H. Boudoin, of a Canadian Infantry reinforcement unit, wrote that he had sent 1,555 letters to his wife and more than 700 to his daughter in his three and one-half years overseas.

Mrs. Elna Reeves, of London, has written twice a day to her husband for the last 22 months—a total of 1,368 letters.

A woman signing herself "a very devoted lady from west London," said she had mailed 1,489 letters in exactly two years, beginning Nov. 11, 1941, but she didn't say to whom they were written.

To get the value of the calcium that is found in potatoes and leafy green vegetables, Nutrition Services points out that they must be carefully cooked and any liquid that is left must be saved and used, for calcium is soluble in water and much of it may be dissolved out during cooking and, all too often, is lost down the kitchen sink.

Buy War Savings Stamp Regularly.

Canadian Sniper On Alert



While Canadians advanced cautiously on a German position in Italy, this Canadian sniper kept alert, ready to pick off the first enemy to show himself.

More Difficult Job

Running An Army Hotel In Italy

Capt. Forbes Thrasher, former manager of the Lord Nelson Hotel, Halifax, and assistant manager of the Royal York Hotel, Toronto, is doing the same work in the Army, managing a 52-room hotel for officers in "Canada Town" and finding it a lot more difficult than looking after 200 or 1,200 room palaces with great staffs.

The hotel the officer is running with the help of Sgt.-Major R. M. Clarke, who used to be in the restaurant business in Valen, Alta, and a staff of 18 Italians, has had its name changed from Tongue-twisting Grande Albergo Del Grece to the simpler and more familiar Royal York. It's doing more business than it ever did under the old regime and is giving Thrasher a few more grey hairs.

He has been having trouble in the kitchen trying to print the stuff with the eating customs of Canadians. The Italians don't go in much for breakfast, generally being satisfied with a cup of coffee, grapes and a roll at a corner cafe late in the forenoon.

"The chef cannot understand our breakfast at all," he said. "Omelette is a mystery to him and the size of our breakfast makes him unable to handle it beyond his comprehension. However, he is a resourceful fellow and things are beginning to work out satisfactorily."

The kitchens have produced some tasty meals. Thrasher has scouts to take the orders buying food, pork, eggs, green vegetables and fruit. Good wines are available.

The cooks have a symphony orchestra with a baritone and soprano. The music continues after dinner in the evenings and hotel guests can entertain friends of both sexes in a pleasant atmosphere.

"The fellows are good, hearty party," said Thrasher.

An officer's stay in the hotel is limited to 48 hours so everybody has to be a chameleon. Food costs two shillings, and meals sixpence for breakfast, one shilling and sixpence for lunch and two shillings for dinner.

The beds are comfortable and clean and that's what counts after a long spell at the front lines.

May Need Wheat

Sicily And Italy Will Prove Out For Grain

The present situation in Sicily and Southern Italy carries with it considerable interest to North American agriculturists. Durum wheat for macaroni or bread is the principal variety grown there and it is estimated that one-third of the agricultural area of the island is used for wheat production.

The present acreage was one of 2,000,000 acres and produced around 32,000,000 bushels. However, the present crop is not so good as the normal produce sufficient wheat to meet local demands, and with the most of the 1943 crop probably lost through the war, there should be an outlet for North American wheat.

In the island of Crete, while grain production is not so good as in Sicily, because agriculture is confined largely to scattered plains and only about one-third of the total area of the island is suitable for agricultural undertakings. The principal crops are olives, grapes, and other citrus fruits.

Cardboard Tokens

Used In Filling Stores As Substitute For Copper Coins

Paper pennies are being printed in Italy. There has been such a run of hoarding of the new notes that the printing note had to be supplemented by one and one shilling notes. The stores in Rome found themselves completely denuded of copper coins, so they were allowed to print cardboard tokens which were used in giving change and which are honored in cash transactions. To get over its shortage of copper the post office gave half-penny stamps in exchange for half-pennies. In New Guinea, the currency difficulties of Australian soldiers have been got over by importing nearly 600,000 extra pounds of tobacco. Tobacco is still the main currency among the natives, and there are twenty sticks of it to the pound. One stick buys a bunch of bananas, or a pineapple, a dozen sweet potatoes, or four yams. If a man goes home with fifteen pounds of tobacco he is a millionaire.

Tuberculosis is the first cause of death of people between the ages of 15 and 45—the most productive years of life for the individual and the nation. Buy your Christmas seals today.

Important Post



Lieut.-Col. Margaret Eaton, assistant adjutant-general, who deals with the problems of organization, administration, discipline and personal service of the Canadian Women's Army Corps.

Famous Show

New Book Published With Chicago Livestock Exposition

Farmers in Canada, particularly those who specialize in the raising of live stock, will doubtless be interested to know that Alvin H. Sanders has just published a book on the famous International Live Stock Exposition, which since 1900 has been held at Chicago. The book carries the title "The Story of the International" and in its 300 pages outlines 40 years of progress in breeding, feeding and marketing of improved live stock, with anecdotes of many of the dominant personalities associated with the Exposition until 1941, when it was temporarily suspended on account of the war. There is much of interest to Canadians in the book, for men from the Dominion have been winners of many of the most coveted awards.

The book has been privately printed by the International Live Stock Exposition Association, and is available on order to the Exposition offices at the Chicago Stock Yards, at a nominal price.

Many New Inventions

Include Wooden Instead Of Metal Springs For Furniture

Don't be surprised, folks, if you walk into a furniture store one of these days and the salesman offers to show you Chesterfield sets and easy chairs that have wooden instead of metal spring structures.

And don't think your grocer or druggist is joking if he offers to sell you your favorite fruits and vegetables in tablet form.

Patents for the invention of both the tablets and the wooden springs have been issued by the Dominion government. It was revealed in the report of the commissioner of patents for the year ending last March 31. The report did give the details of the invention or identify the inventors, but it did say that 7,686 patents were issued during the year, 606 less than in 1942.

There was considerable development in television and electron microscopes.

NUMBERS INCREASE

Shortage Of Ammunition Has Given Wild Life A Chance

With the ill wind of war blowing them good, most of the wild birds and animals of Canada increased in number this year—a year in which ammunition is needed for more deadly purposes than sport.

A survey by The Canadian Press reveals "notable" increase in numbers of ducks and geese passing through Canada. In spite of refusal by federal authorities to release ammunition for sport, most provinces reported hunters out in fair numbers, apparently drawing on stocks of shells bought in the past.

Most provincial game authorities said there were few evidences of game birds and animals causing unusual damage to crops. Farmers who have to protect crops can obtain ammunition when it is available.

Federal and provincial officials agreed that no particular increase in the number of bears has occurred, and bounty payments indicated there has been no unusual increase in number of wolves in any province.

S. B. Smith, Regina, Saskatchewan game commissioner, said there have been "many complaints" from farmers suffering losses from migratory waterfowl. Sheep were being killed by coyotes and in the northern part of the province by snub-nosed wolves and bobcats.

Ducks Unlimited, an organization for the preservation of wild life, estimated there were 100,000,000 waterfowl in Manitoba this year, with ducks showing the greatest increase.

Some Manitoba crops losses were attributed to wild life but in no district was damage severe.

The prairie provinces generally reported a decrease in number of hunters.

In British Columbia, Game Commissioner Frank R. Butler said wild life is on the increase but he said he does not think the shortage of ammunition is the cause, but rather laws for the protection of wild life.

D. J. Taylor, Ontario deputy minister of game and fisheries, said there has been an increase in waterfowl, but ducks and geese, and in predatory animals like foxes and skunk.

Just A Side Line

Art Of Camouflage Is One Of Canada's War Activities

The military art of camouflage—disguise of men, materials and localities from hostile eyes and ears—has reached a high point in Canada, and as a side line to its many war activities, the Dominion Experimental Farms Service is making a valuable contribution. It is providing information in regard to the most suitable species of trees and shrubs for rendering Canadian military establishments difficult to be recognized by the enemy from land, sea and air.

The Division of Horticulture has been co-operating with the Department of National Defence in the camouflage campaign and the information given by the various Branch Experimental Farms in the districts covered, particularly on the Atlantic and Pacific coasts, has been of special value in the defence of Canada.

Easy On The Coal



More Canadian women are running furnaces this year than ever. With husbands away on active service or factories "lady of the house" has to do the job if the family is to stay warm during the cold winter months. The young woman in the picture above is getting down to work by infusing the proper way to shake the furnace. It should be done only when necessary to bring up the fire. Most important, is to shake it gently so that the fire bed is not disturbed more than is absolutely necessary.

THE CARBON CHRONICLE

Issued Every Thursday at
CARBON, ALBERTA
Member Alberta Division Canadian
Weekly Newspapers Association
E. J. ROULEAU,
Editor and Publisher

GENERAL DRYING—

COAL HAULING

CHAS. PATTISON

CENTRAL EGG—
GRADING STATION

Pays Calgary Prices For Eggs

This Week's Egg Prices are:
A LARGE, per doz. 43c
A MEDIUM, per doz. 41c
A PULLETT, per doz. 38c
GRADE B, per doz. 36c
GRADE C, per doz. 34c
CRACKS, per doz. 34c



THE CHURCH OF ENGLAND

IN CANADA

Parish of Christ Church Carbon

The Rev. T. H. Chapman, R.D.

INCUMBENT

Organist: Mr. H.M. Isaac

S. S. Supt. & Mrs. E. Talbot

Sunday, December 12—Advent 3

12:15 p.m. Sunday School

7:30 p.m. Evening & Sermon

THE BETHEL BAPTIST CHURCH

IN CARBON

Sunday School 10:00 a.m.

Morning Service 11:00 a.m.

Evening Service 7:30 p.m.

OUR INVITATION: Psalm 95-6

O come, let us worship and bow down

let us kneel before the Lord our Maker

REV. E. RIEMER, pastor

UNITED CHURCH OF CANADA

REV. R.R. HINCHEY, minister

CARBON:

Presching Service 11:00 a.m.

Sunday School 12:10 p.m.

GARRETT SCHOOL

Presching Service 3:30 p.m.

IRRICANA:

Presching Service 7:30 p.m.

ALL ARE WELCOME

A squadron observer was called in by his commanding officer after an air raid and asked if he had been nervous during the attack.
"No, sir," was the reply. "I was as cool as a cucumber."
"I'm glad to hear that," smiled the CO. "It appeared that you may have been a little rattled when you called in that there were 27,000 bombers coming over at 18 feet."

Buy Your Needs in Carbon!

FREDERIAL BAPTIST CHURCH

E. S. Finks, Minister

SUNDAY, DECEMBER 12

Frederial Church

10:00 a.m. Sunday School

11:00 a.m. Worship Service

7:30 p.m. Program by the Troch. Church, Rev. C. Rompel, guest speaker

Zion Church

10:00 a.m. Sunday School

11:00 a.m. Worship Service

Minister preaching.

OUR INVITATION:

To all who mourn and need comfort—

to all who are weary and need rest—

to all who are friendly and want

friendship—to all who pray and to all

who do not, but ought—to all who sin

and need a Saviour, and to whosoever

will—these churches open their doors

and in the name of Jesus, the Lord say: WELCOME!

The Anglican Church Sunday School

Christmas tree and concert will be

held in the church basement on Wed-

nesday, December 22, at 8 p.m. Every-

body welcome.

Mr. and Mrs. H. Davidson and

Donna of Drumheller were Sunday vis-

itors with Mr. and Mrs. E.J. Rouleau

and family.

—Our mailing list was brought up-

to-date this week. If the label on your

paper does not show December, 1943

or later you are in arrears and we

would appreciate an early settlement.

If by any chance you have paid your

arrears, but the label does not show

it, kindly get in touch with this of-

fice immediately.

MICK SKERRY

An old established firm with a reputation

for doing business right.

Head office — Grain Exchange Bldg., Winnipeg

BRANCHES: CALGARY — TORONTO — MONTREAL

It's grain... Ask us!

PARRISH & HEIMBECKER LTD.

GRAIN RECEIVERS, SHIPPERS AND EXPORTERS

The Alberta Pacific Elevator Agent

...can give you the

benefit of expert

advice in the market

ing of your grain

SEEDTIME and HARVEST

By Dr. E. W. Neasey

Director, Agricultural Department

North-West Ltd. Elevators Association

SEED SUPPLIES

Available stocks of seed oats and

barley will probably disappear

rapidly this winter. There is an

acute shortage in eastern Canada;

and in large sections of Alberta and

northwestern Saskatchewan, frost

damage has been serious.

We have completed germination

tests on 407 samples of oats. Of

these, 122 (30.0%) germinated

60% or less, 22 samples (12.5%)

germinated 30% or less.

When To Get New Seed

If one's own seed is low in per-

centage and vigor of germination,

it is not the best value for the

particular district. If it is

mixed with seed of other varieties

or, if it has been badly damaged

in threshing.

A good standing stand can only

be obtained with good seed. A poor

or patchy stand is a cordial invita-

tion to weeds.

How To Get It

Simply call at a country elevator

in which the agent is an authorized

distributor of seed for your own

Provincial Crop Improvement

Association. He has not only seed

enter forms, but, also information

on officially recommended varieties.

The Crop Improvement Associa-

tions are sponsored by Dominion

and Provincial Governments, Uni-

versities, Seed Associations, Eleva-

tors and Elevator Companies.

What To Get

It is usually an extravagance to

buy registered seed for the entire

farm. Buy enough for a seed plot,

the crop from which will sow the

crop the following year. If it is

necessary to replace all seed of

one or more crops, it is usually

wise to buy certified seed, which is

cheaper, for the main crop, plus

enough registered for a seed plot.

TOWN AND COUNTRY
PERSONALOGRAPHS

According to word from the RCAF Recruiting Centre in Calgary Russel W. Stoll, son of Mr. and Mrs. J. Stoll of Carbon has joined the RCAF.

A farewell party was held last Tuesday for Mrs. L. Goudie, who has gone to Calgary with Irene to reside.

Mick Skerry cannot wait any longer for old man winter to set in and has at last decided to commence flooding operations on both the curling and skating rinks. He commenced active work the first of the week, but flooding operations will be slow unless the weather turns colder.

Mr. and Mrs. Alex Reid, who expected to spend the winter in Vancouver, have returned to Carbon again to reside. Evidently the coast has no moderate temperatures are concerned.

The Anglican Church Sunday School Christmas tree and concert will be held in the church basement on Wednesday, December 22, at 8 p.m. Everybody welcome.

Mr. and Mrs. H. Davidson and Donna of Drumheller were Sunday visitors with Mr. and Mrs. E.J. Rouleau and family.

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cheaper, for the main crop, plus

enough registered for a seed plot.

HERE ARE A FEW

Gift Suggestions

FOR GENTLEMEN—

FORSYTH SHIRTS \$2.00
MEN'S PYJAMAS \$2.50
BOXED NECK TIES 75c; 1.00; 1.25
MEN'S MCGREGOR SOX 55c; 75c; 1.00
MEN'S SCARVES, silk and wool, \$1.25; \$1.75
MEN'S DRESS GLOVES \$1.50; \$2.50

FOR THE LADIES—

FANCY PILLOW CASES, per pr. \$1.00 to \$1.95
LADIES' BOXED HANDKERCHIEFS —
A fine assortment, from 35c to 95c
BRIDGE SETS \$1.25; \$1.95
ORIENT STOCKINGS 79c; \$1.00; \$1.25
TOWEL SETS, nice assortment, 1.00 to \$2.50
CHENILLE BED SPREADS \$6.95 to \$17.95

Check over our stock of merchandise that is suitable for Christmas giving, and be sure to shop early this year, as many items in our store are limited and cannot be replaced.

THE CARBON TRADING COMPANY

I. Guttman, Prop. :: Carbon, Alberta

DRUMHELLER MUNICIPAL HOSPITAL

SALE OF SPECIAL CONTRACTS

The Board of the Drumheller Municipal Hospital District No. 3 announces that special contracts will be sold to those non-ratepayers who are desirous of obtaining the \$1.00 per day rate and reduced rates for special services for themselves and their dependents at the hospital in Drumheller. Sale of these contracts will begin immediately and will continue until midnight, December 31st, 1943. These contracts will be effective January 1st, 1944 and will remain in force until December 31st, 1944. Contracts may be purchased at the business office of the hospital in Drumheller for the sum of \$10.00. Any further particulars desired may be obtained from the undersigned.

L. WILSON, Sec.-Treas.

GIVE
War Savings
Certificates
for Gifts

What could be more practical . . . more appreciated than WAR SAVINGS CERTIFICATES for Christmas Gifts?

Give Them to Every Member of Your Family This Year.

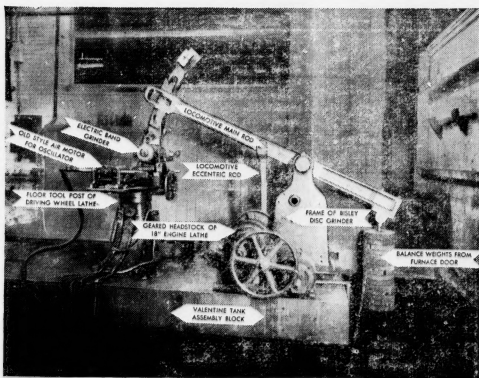
Space Donated by the
BREWING INDUSTRY OF ALBERTA

Test Your Seed Grain!

Pioneer Elevators have available modern seed grain germinating testing machines. Any farmer wishing to have his seed grain tested for germination may obtain tests free of charge through any Pioneer Elevator.

Consult our agent in your district regarding any of your agricultural problems.

PIONEER GRAIN COMPANY
LIMITED



Discards, which had done a big war job already before they were considered ready for the scrap heap, were reassembled by the Canadian Pacific Railway Company at its Angus Shops in Montreal to make the improved grinder, pictured above, for grinding the radial contour of motion links for main marine engines, one of the war contracts on which the C.P.R. is engaged.

At the big shops, which are under the direction of H. B. Beaven, chief of motive power and rolling stock, and where H. B. Neasey is works manager, was John A. Hope, shops engineer, who conceived the idea for the machine which has eliminated many hours of labor required to draw file and scrape the radial surfaces. The motion links must be originally made to the high standards and close tolerances demanded by the Royal Canadian Navy for engines in its coast service.

The entire machine, as shown in the labels on the different parts in this picture. The main base was a discarded iron casting originally made at Angus Shops for an erection jig for the more than 1,400 Valentine tanks which were built there for service in Russia on an earlier C.P.R. war contract. Other of the discards include the connecting rod of a locomotive, back in service now in the radial arm of the grinder after once earning estimate and ton miles of freight to its credit.

So it went through the entire list of materials put back to work in this important war job with an old style motor, a discarded grinder frame and even balance weights from a furnace door being utilized in the machine which saves precious hours in the production of marine engine power for the hulls being fabricated in Canadian shipyards.